GenCore version 5.1.4_p5_4578

OM protein - protein search, using sw model

Run on: April 28, 2003, 13:49:51 ; Search time 19 Seconds
(without alignments)
1429.335 Million cell updates/sec

Title: US-09-497-822C-19
Perfect score: 4912
Sequence: 1 MEVQLGLGRVYPRPPSKTYR.....SVQVPKILSGKVKPIYFHTQ 923

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_AA:*
1: /cgn2_6/ptodata/1/iaa/5A_COMB.pep:*
2: /cgn2_6/ptodata/1/iaa/5B_COMB.pep:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	4838.5	98.5	918	4	US-09-041-886-11	Sequence 11, Appl
2	2429	49.5	452	4	US-08-764-870-16	Sequence 16, Appl
3	2429	49.5	452	4	US-08-980-115-16	Sequence 16, Appl
4	1261	25.7	933	4	US-08-764-870-14	Sequence 14, Appl
5	1261	25.7	933	4	US-08-980-115-14	Sequence 14, Appl
6	1127	22.9	363	6	5223606-6	Patent No. 5223606
7	1078.5	22.0	984	4	US-08-764-870-15	Sequence 15, Appl
8	1078.5	22.0	984	4	US-08-980-115-15	Sequence 15, Appl
9	1066	21.7	1070	4	US-09-091-042A-2	Sequence 2, Appli
10	1065	21.7	795	1	US-07-716-827C-5	Sequence 5, Appli
11	1042	21.2	777	4	US-08-764-870-13	Sequence 13, Appl
12	1042	21.2	777	4	US-08-980-115-13	Sequence 13, Appl
13	959.5	19.5	356	6	5223606-7	Patent No. 5223606
14	795	16.2	154	4	US-09-041-886-32	Sequence 32, Appl
15	644.5	13.1	534	3	US-08-875-223-8	Sequence 8, Appli
16	644	13.1	284	2	US-08-592-214A-24	Sequence 24, Appl
17	644	13.1	284	3	US-09-149-976-24	Sequence 24, Appl
18	636	12.9	284	3	US-08-659-188-20	Sequence 20, Appl
19	636	12.9	284	3	US-08-655-227-20	Sequence 20, Appl
20	636	12.9	284	3	US-08-655-241-20	Sequence 20, Appl
21	636	12.9	284	4	US-09-398-326-20	Sequence 20, Appl
22	484.5	9.9	596	2	US-08-836-620A-16	Sequence 16, Appl
23	481	9.8	595	4	US-08-764-870-12	Sequence 12, Appl
24	481	9.8	595	4	US-08-980-115-12	Sequence 12, Appl
25	478	9.7	591	2	US-08-836-620A-17	Sequence 17, Appl
26	478	9.7	595	4	US-09-041-886-35	Sequence 35, Appl
27	478	9.7	595	4	US-08-453-998-2	Sequence 2, Appli
28	442.5	9.0	484	2	US-08-836-620A-14	Sequence 14, Appl
29	442.5	9.0	485	2	US-08-836-620A-5	Sequence 5, Appli
30	439	8.9	484	2	US-08-836-620A-13	Sequence 13, Appl
31	439	8.9	485	2	US-08-836-620A-2	Sequence 2, Appli
32	437.5	8.9	485	2	US-08-836-620A-3	Sequence 3, Appli
33	437.5	8.9	548	4	US-09-139-617-1	Sequence 1, Appli
34	437.5	8.9	548	4	US-09-561-741A-1	Sequence 1, Appli
35	428.5	8.7	384	2	US-08-836-620A-15	Sequence 15, Appl
36	418.5	8.5	410	6	5223606-5	Patent No. 5223606
37	400	8.1	418	3	US-09-141-000-6	Sequence 6, Appli
38	400	8.1	435	3	US-09-040-508-2	Sequence 2, Appli
39	400	8.1	435	4	US-09-500-654-2	Sequence 2, Appli
40	400	8.1	458	3	US-09-141-000-4	Sequence 4, Appli
41	385.5	7.8	431	2	US-08-836-620A-19	Sequence 19, Appl
42	385.5	7.8	500	3	US-09-141-000-2	Sequence 2, Appli
43	381	7.8	525	4	US-08-764-870-7	Sequence 7, Appli
44	381	7.8	525	4	US-08-980-115-7	Sequence 7, Appli
45	379	7.7	518	2	US-08-836-620A-18	Sequence 18, Appl

ALIGNMENTS

RESULT 1
US-09-041-886-11
; Sequence 11, Application US/09041886
; Patent No. 6235872
; GENERAL INFORMATION:
; APPLICANT: Bredesen, Dale E.
; APPLICANT: Rabizadeh, Sharroz
; TITLE OF INVENTION: Proapoptotic Peptides, Dependence
; TITLE OF INVENTION: Polypeptides and Methods of Use
; NUMBER OF SEQUENCES: 72
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Campbell & Flores LLP
; STREET: 4370 La Jolla Village Drive, Suite 700
; CITY: San Diego
; STATE: California
; COUNTRY: United States
; ZIP: 92122
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/041,886
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Campbell, Cathryn A.
; REGISTRATION NUMBER: 31,815
; REFERENCE/DOCKET NUMBER: P-LJ 2626
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 535-9001
; TELEFAX: (619) 535-8949
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 918 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-09-041-886-11

Query Match 98.5%; Score 4838.5; DB 4; Length 918;
Best Local Similarity 98.7%; Pred. No. 0;
Matches 914; Conservative 0; Mismatches 1; Indels 11; Gaps 2;

Qy 1 MEVQLGLGRVYPRPPSKTYRGAFQNLFQSVREVIQNPGPRHPEAASAAPPGASLLLQQQ 60
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Db 1 MEVQLGLGRVYPRPPSKTYRGAFQNLFQSVREVIQNPGPRHPEAASAAPPGASLLLL--- 57

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Db    113 PQSALECHPERGCVPEPGAAVAASKGLPQQLPAPPDEDDSAAPSTLSLLGPTFPGLSSCS 172

Qy    181 ADLKDILSEASTMQLLQQQQQEAVSEGSSSGRAREASGAPTSSKDNYLGGTSTISDNAKE 240

Db    173 ADLKDILSEASTMQLLQQQQQEAVSEGSSSGRAREASGAPTSSKDNYLGGTSTISDNAKE 232

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Db    233 LCKAVSVSMGLGVEALEHLSPGEQLRGDCMYAPLLGVPPAVRPTPCAPLAECKGSLLDDS 292

Qy    301 AGKSTEDTAEYSPFKGGYTKGLEGESLGCSGSAAAGSSGTLELPSTLSLYKSGALDEAAA 360

Db    293 AGKSTEDTAEYSPFKGGYTKGLEGESLGCSGSAAAGSSGTLELPSTLSLYKSGALDEAAA 352

Qy    361 YQSRDYYNFPLALAGPPPPPPPPHPHARIKLENPLDYGSAWAAAAAQCRYGDLASLHGAG 420

Db    353 YQSRDYYNFPLALAGPPPPPPPPHPHARIKLENPLDYGSAWAAAAAQCRYGDLASLHGAG 412

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RESULT 2
US-08-764-870-16
; Sequence 16, Application US/08764870
; Patent No. 6236946
;  GENERAL INFORMATION:
;    APPLICANT:  Scanlan, Thomas S
;    APPLICANT:  Baxter, John D
;    APPLICANT:  Fletterick, Robert J
;    APPLICANT:  Wagner, Richard L
;    APPLICANT:  Kushner, Peter J
;    APPLICANT:  Apriletti, James W
;    APPLICANT:  West, Brian
;    TITLE OF INVENTION:  Nuclear Receptor Ligands and Ligand
;    TITLE OF INVENTION:  Binding Domains
;    NUMBER OF SEQUENCES:  16
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Cooley Godward
;      STREET:  Five Palo Alto Square,  3000 El Camino Real
;      CITY:  Palo Alto
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  94306
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/764,870
;      FILING DATE:  13-DEC-1996
;      CLASSIFICATION:  530
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 60/008,540
;      FILING DATE:  13-DEC-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 60/008,543
;      FILING DATE:  13-DEC-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 60/008,606
;      FILING DATE:  14-DEC-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Nakamura, Jackie N
;      REGISTRATION NUMBER:  35,966
;      REFERENCE/DOCKET NUMBER:  UCAL-246/01US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (650)843-5000
;  INFORMATION FOR SEQ ID NO:  16:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  452 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
US-08-764-870-16

  Query Match           49.5%;  Score 2429;  DB 4;  Length 452;
  Best Local Similarity  99.8%;  Pred. No. 1.5e-171;
  Matches  451;  Conservative    1;  Mismatches    0;  Indels    0;  Gaps    0;

Qy    472 GGGGGEAGAVAPYGYTRPPQGLAGQESDFTAPDVWYPGGMVSRVPYPSPTCVKSEMGPWM 531

Db      1 GGGGGEAGAVAPYGYTRPPQGLAGQESDFTAPDVWYPGGMVSRVPYPSPTCVKSEMGPWM 60

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Qy    892 SVDFPEMMAEIISVQVPKILSGKVKPIYFHTQ 923
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RESULT 3
US-08-980-115-16
; Sequence 16, Application US/08980115
; Patent No. 6266622
; GENERAL INFORMATION:
; APPLICANT: Scanlan, Thomas S.
; APPLICANT: Baxter, John D.
; APPLICANT: Fletterick, Robert J.
; APPLICANT: Wagner, Richard L.
; APPLICANT: Kushner, Peter J.
; APPLICANT: Apriletti, James W.
; APPLICANT: West, Brian L.
; APPLICANT: Shiau, Andrew K.
; TITLE OF INVENTION: NUCLEAR RECEPTOR LIGANDS AND LIGAND BINDING DOMAINS
; FILE REFERENCE: UCAL-246/02US
; CURRENT APPLICATION NUMBER: US/08/980,115
; CURRENT FILING DATE: 1997-11-26
; EARLIER APPLICATION NUMBER: 08/764,870
; EARLIER FILING DATE: 1996-12-13
; EARLIER APPLICATION NUMBER: 60/008,606
; EARLIER FILING DATE: 1995-12-14
; EARLIER APPLICATION NUMBER: 60/008,543
; EARLIER FILING DATE: 1995-12-13
; EARLIER APPLICATION NUMBER: 60/008,540
; EARLIER FILING DATE: 1995-12-13
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 16
; LENGTH: 452
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (184)..(437)
; OTHER INFORMATION: minimal ligand binding domain
US-08-980-115-16

Query Match 49.5%; Score 2429; DB 4; Length 452;
Best Local Similarity 99.8%; Pred. No. 1.5e-171;
Matches 451; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

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Qy    652 TTSPTEETTQKLTVSHIEGYECQPIFLNVLEAIEPGVVCAGHDNNQPDSFAALLSSLNEL 711
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Qy    712 GERQLVHVVKWAKALPGFRNLHVDDQMAVIQYSWMGLMVFAMGWRSFTNVNSRMLYFAPD 771
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Db    241 GERQLVHVVKWAKALPGFRNLHVDDQMAVIQYSWMGLMVFAMGWRSFTNVNSRMLYFAPD 300

Qy    772 LVFNEYRMHKSRMYSQCVRMRHLSQEFGWLQITPQEFLCMKALLLFSIIPVDGLKNQKFF 831
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Qy    832 DELRMNYIKELDRIIACKRKNPTSCSRRFYQLTKLLDSVQPIARELHQFTFDLLIKSHMV 891
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Db    361 DELRMNYIKELDRIIACKRKNPTSCSRRFYQLTKLLDSVQPIARELHQFTFDLLIKSHMV 420

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Qy    892 SVDFPEMMAEIISVQVPKILSGKVKPIYFHTQ 923
          |||||||||||||||||||||||||||||||
Db    421 SVDFPEMMAEIISVQVPKILSGKVKPIYFHTQ 452
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RESULT 4
US-08-764-870-14
; Sequence 14, Application US/08764870
; Patent No. 6236946
; GENERAL INFORMATION:
; APPLICANT: Scanlan, Thomas S
; APPLICANT: Baxter, John D
; APPLICANT: Fletterick, Robert J
; APPLICANT: Wagner, Richard L
; APPLICANT: Kushner, Peter J
; APPLICANT: Apriletti, James W
; APPLICANT: West, Brian
; TITLE OF INVENTION: Nuclear Receptor Ligands and Ligand
; TITLE OF INVENTION: Binding Domains
; NUMBER OF SEQUENCES: 16
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Cooley Godward
; STREET: Five Palo Alto Square, 3000 El Camino Real
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94306
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/764,870
; FILING DATE: 13-DEC-1996
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/008,540
; FILING DATE: 13-DEC-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/008,543
; FILING DATE: 13-DEC-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/008,606
; FILING DATE: 14-DEC-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Nakamura, Jackie N
; REGISTRATION NUMBER: 35,966
; REFERENCE/DOCKET NUMBER: UCAL-246/01US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650)843-5000
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 933 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-764-870-14

Query Match 25.7%; Score 1261; DB 4; Length 933;
Best Local Similarity 34.1%; Pred. No. 8e-85;
Matches 346; Conservative 128; Mismatches 318; Indels 224; Gaps 34;

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Qy     67 QQQQQQQQQQQQQQQQETSPRQQQQQQGEDGSPQAHRRGPTGYL--VLDEEQQPSQPQSA 124
          :: | ||     | :  : :  :| || :    :| | |||   || | :
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Qy    177 SSCSADLKDILSE--ASTMQLL--------------QQQQQEAVS-EGSSSGRAREASG 218
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Qy    219 APTSSKDNYLGGTSTISDNAKELCKAVSVSMGLG---------------VEALEHLSPG 262
Db    235 PLLKGKPRALGGAA--AGGGAAACPPGAAAGGVALVPKEDSRFSAPRVALVEQDAPMAPG 292

Qy    263 EQLRG----DCMYAPLLGV----------------------------PPAVRPTPCA-- 287
Db    293 RSPLATTVMDFIHVPILPLNHALLAARTRQLLEDESYDGGAGAASAFAPP--RTSPCASS 350

Qy    288 -PLAECKGSLLDDSAGKSTEDTAE----YSPFKGGYTKGLEGESLGCSGSAAAGSSGTLE 342
Db    351 TPVA--VGDFPDCAYPPDAEPKDDAYPLYSDFQPPALK-IKEEEEGAEASARSPRS---- 403

Qy    343 LPSTLSLYKSGALDEAAAYQSRDYYNFPLALAGPPPPPPPPHPHARIKLENPLDYGSAWA 402
Db    404 -------YLVAGANPAA------FPDFPL---GPPPPLPP-------------------- 427

Qy    403 AAAAQCRYGDLASLHGAGAAGPGSGSPSAAASSSWH---TLFTAE-----EGQLYGPCGG 454
Db    428 -RATPSRPGE-----AAVTAAPASASVSSASSSGSTLECILYKAEGAPPQQGPFAPPPCK 481

Qy    455 GGGGGGGGGGGGGGGGGGGGGGEAGAVAPYGYTRPPQGLAGQESDFTAPDVWYPGGMVSR 514
Db    482 APGASGCLLPRDGLPSTSASAAAAGA-APALY--PALGLNG------LPQLGYQAAVLKE 532

Qy    515 -VPYPSPTCVKSEMGPWMDSYSGPYGDMRLETARDHVLPIDYYFP--PQKTCLICGDEAS 571
Db    533 GLPQVYPPYL-NYLRPDSEASQSP----------------QYSFESLPQKICLICGDEAS 575

Qy    572 GCHYGALTCGSCKVFFKRAAEGKQKYLCASRNDCTIDKFRRKNCPSCRLRKCYEAGMTLG 631
Db    576 GCHYGVLTCGSCKVFFKRAMEGQHNYLCAGRNDCIVDKIRRKNCPACRLRKCCQAGMVLG 635

Qy    632 ARKLKKLGNLKLQEEGEASSTTSP------TEETTQKLTVSHIEGYECQPIFLNVLEAIE 685
Db    636 GRKFKKFNKVRVVRALDAVALPQPLGVPNESQALSQRFTFSPGQDIQLIPPLINLLMSIE 695

Qy    686 PGVVCAGHDNNQPDSFAALLSSLNELGERQLVHVVKWAKALPGFRNLHVDDQMAVIQYSW 745
Db    696 PDVIYAGHDNTKPDTSSSLLTSLNQLGERQLLSVVKWSKSLPGFRNLHIDDQITLIQYSW 755

Qy    746 MGLMVFAMGWRSFTNVNSRMLYFAPDLVFNEYRMHKSRMYSQCVRMRHLSQEFGWLQITP 805
Db    756 MSLMVFGLGWRSYKHVSGQMLYFAPDLILNEQRMKESSFYSLCLTMWQIPQEFVKLQVSQ 815

Qy    806 QEFLCMKALLLFSIIPVDGLKNQKFFDELRMNYIKELDRIIACKRKNPTSCSRRFYQLTK 865
Db    816 EEFLCMKVLLLLNTIPLEGLRSQTQFEEMRSSYIRELIKAIGLRQKGVVSSSQRFYQLTK 875

Qy    866 LLDSVQPIARELHQFTFDLLIKSHMVSVDFPEMMAEIISVQVPKILSGKVKPIYFH 921
Db    876 LLDNLHDLVKQLHLYCLNTFIQSRALSVEFPEMMSEVIAAQLPKILAGMVKPLLFH 931
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RESULT 5
US-08-980-115-14
; Sequence 14, Application US/08980115
; Patent No. 6266622
; GENERAL INFORMATION:
; APPLICANT: Scanlan, Thomas S.
; APPLICANT: Baxter, John D.
; APPLICANT: Fletterick, Robert J.
; APPLICANT: Wagner, Richard L.
; APPLICANT: Kushner, Peter J.
; APPLICANT: Apriletti, James W.
; APPLICANT: West, Brian L.
; APPLICANT: Shiau, Andrew K.
; TITLE OF INVENTION: NUCLEAR RECEPTOR LIGANDS AND LIGAND BINDING DOMAINS
; FILE REFERENCE: UCAL-246/02US
; CURRENT APPLICATION NUMBER: US/08/980,115
; CURRENT FILING DATE: 1997-11-26
; EARLIER APPLICATION NUMBER: 08/764,870
; EARLIER FILING DATE: 1996-12-13
; EARLIER APPLICATION NUMBER: 60/008,606
; EARLIER FILING DATE: 1995-12-14
; EARLIER APPLICATION NUMBER: 60/008,543
; EARLIER FILING DATE: 1995-12-13
; EARLIER APPLICATION NUMBER: 60/008,540
; EARLIER FILING DATE: 1995-12-13
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 14
; LENGTH: 933
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (659)..(918)
; OTHER INFORMATION: minimal ligand binding domain
US-08-980-115-14

Query Match 25.7%; Score 1261; DB 4; Length 933;
Best Local Similarity 34.1%; Pred. No. 8e-85;
Matches 346; Conservative 128; Mismatches 318; Indels 224; Gaps 34;

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Qy     38 GPRHPEAASAAP----------------PGA-------------SLLLLQQQQQQQQ 66
Db      8 GPRAPHVAGGPPSPEVGSPLLCRPAAGPFPGSQTSDTLPEVSAIPISLDGLLFPRPCQGQ 67

Qy     67 QQQQQQQQQQQQQQQQETSPRQQQQQQGEDGSPQAHRRGPTGYL--VLDEEQQPSQPQSA 124
Db     68 DPSDEKTQDQQSLSDVEGAYSRAEATRGAGGSSSSPPEKDSGLLDSVLDTLLAPSGPGQS 127

Qy    125 LECHPERGCVPEPGAAVAASKG--LPQQLPAPPDEDDSAAPSTLSLLGPTFP------GL 176
Db    128 ---------QPSPPACEVTSSWCLFGPELP----EDPPAAPATQRVLSPLMSRSGCKVGD 174

Qy    177 SSCSADLKDILSE--ASTMQLL--------------QQQQQEAVS-EGSSSGRAREASG 218
Db    175 SSGTAAAHKVLPRGLSPARQLLLPASESPHWSGAPVKPSPQAAAVEVEEEDSSESEESAG 234

Qy    219 APTSSKDNYLGGTSTISDNAKELCKAVSVSMGLG---------------VEALEHLSPG 262
Db    235 PLLKGKPRALGGAA--AGGGAAACPPGAAAGGVALVPKEDSRFSAPRVALVEQDAPMAPG 292

Qy    263 EQLRG----DCMYAPLLGV----------------------------PPAVRPTPCA-- 287
Db    293 RSPLATTVMDFIHVPILPLNHALLAARTRQLLEDESYDGGAGAASAFAPP--RTSPCASS 350

Qy    288 -PLAECKGSLLDDSAGKSTEDTAE----YSPFKGGYTKGLEGESLGCSGSAAAGSSGTLE 342
Db    351 TPVA--VGDFPDCAYPPDAEPKDDAYPLYSDFQPPALK-IKEEEEGAEASARSPRS---- 403

Qy    343 LPSTLSLYKSGALDEAAAYQSRDYYNFPLALAGPPPPPPPPHPHARIKLENPLDYGSAWA 402
Db    404 -------YLVAGANPAA------FPDFPL---GPPPPLPP-------------------- 427

Qy    403 AAAAQCRYGDLASLHGAGAAGPGSGSPSAAASSSWH---TLFTAE-----EGQLYGPCGG 454
Db    428 -RATPSRPGE-----AAVTAAPASASVSSASSSGSTLECILYKAEGAPPQQGPFAPPPCK 481

Qy    455 GGGGGGGGGGGGGGGGGGGGGGEAGAVAPYGYTRPPQGLAGQESDFTAPDVWYPGGMVSR 514
Db    482 APGASGCLLPRDGLPSTSASAAAAGA-APALY--PALGLNG------LPQLGYQAAVLKE 532

Qy    515 -VPYPSPTCVKSEMGPWMDSYSGPYGDMRLETARDHVLPIDYYFP--PQKTCLICGDEAS 571
Db    533 GLPQVYPPYL-NYLRPDSEASQSP----------------QYSFESLPQKICLICGDEAS 575
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Qy     572 GCHYGALTCGSCKVFFKRAAEGKQKYLCASRNDCTIDKFRRKNCPSCRLRKCYEAGMTLG 631
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Db     576 GCHYGVLTCGSCKVFFKRAMEGQHNYLCAGRNDCIVDKIRRKNCPACRLRKCCQAGMVLG 635

Qy     632 ARKLKKLGNLKLQEEGEASSTTSP------TEETTQKLTVSHIEGYECQPIFLNVLEAIE 685
           || ||   :::   :| :   |      ::  :|: | |  :  :  |  :|:| :||
Db     636 GRKFKKFNKVRVVRALDAVALPQPLGVPNESQALSQRFTFSPGQDIQLIPPLINLLMSIE 695

Qy     686 PGVVCAGHDNNQPDSFAALLSSLNELGERQLVHVVKWAKALPGFRNLHVDDQMAVIQYSW 745
           | |: ||||| :||: ::||:|||:|||||: |||:|:|||||||:|||: :||||||
Db     696 PDVIYAGHDNTKPDTSSSLLTSLNQLGERQLLSVVKWSKSLPGFRNLHIDDQITLIQYSW 755

Qy     746 MGLMVFAMGWRSFTNVNSRMLYFAPDLVFNEYRMHKSRMYSQCVRMRHLSQEFGWLQITP 805
           | |||| :|||||: :|: :|||||||| || || :|  || |: |  : |||  ||::
Db     756 MSLMVFGLGWRSYKHVSGQMLYFAPDLILNEQRMKESSFYSLCLTMWQIPQEFVKLQVSQ 815

Qy     806 QEFLCMKALLLFSIIPVDGLKNQKFFDELRMNYIKELDRIIACKRKNPTSCSRRFYQLTK 865
           :|||||| ||| : ||::||::|  |:|:| :||:|| : |  ::|   | |:|||||||
Db     816 EEFLCMKVLLLLNTIPLEGLRSQTQFEEMRSSYIRELIKAIGLRQKGVVSSSQRFYQLTK 875

Qy     866 LLDSVQPIARELHQFTFDLLIKSHMVSVDFPEMMAEIISVQVPKILSGKVKPIYFH 921
           |||::  : ::||  :  :  |:|  :||:|||||:|:|: |:||||:| |||: ||
Db     876 LLDNLHDLVKQLHLYCLNTFIQSRALSVEFPEMMSEVIAAQLPKILAGMVKPLLFH 931
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RESULT 6
5223606-6
;Patent No. 5223606
; APPLICANT: BLAUDIN DE THE, HUGHES;MARCHIO, AGNES;TIOLLAIS,
;PIERRE;DEJEAN, ANNE
; TITLE OF INVENTION: STEROID/THYROID HORMONE RECEPTOR-RELATED
;PROTEIN INAPPROPRIATELY EXPRESSED IN HUMAN HEPATOCELLULAR CARCINOMA
; NUMBER OF SEQUENCES: 11
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/134,130
; FILING DATE: 17-DEC-1987
; PRIOR APPLICATION DATA:
;SEQ ID NO:6:
; LENGTH: 363
5223606-6

Query Match 22.9%; Score 1127; DB 6; Length 363;
Best Local Similarity 56.0%; Pred. No. 1.7e-75;
Matches 202; Conservative 72; Mismatches 85; Indels 2; Gaps 1;

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Qy     563 CLICGDEASGCHYGALTCGSCKVFFKRAAEGKQKYLCASRNDCTIDKFRRKNCPSCRLRK 622
           ||||||||||||||| |||||||||||||| ||:  |||| |||| :|| ||||||:|||||
Db       1 CLICGDEASGCHYGVLTCGSCKVFFKRAMEGQHNYLCAGRNDCIVDKIRRKNCPACRLRK 60

Qy     623 CYEAGMTLGARKLKKLGNLKLQEEGEASSTTSPT--EETTQKLTVSHIEGYECQPIFLNV 680
           | :||| || || ||   :::    :| :  :|      :|::| |  :  :  |  :|:
Db      61 CCQAGMVLGGRKFKKFNKVRVMRALDAVALPAPVGIPNESQRITFSPSQEIQLIPPLINL 120

Qy     681 LEAIEPGVVCAGHDNNQPDSFAALLSSLNELGERQLVHVVKWAKALPGFRNLHVDDQMAV 740
           | :||| |: ||||| :||: ::||:|||:|||||: |||||:|:|||||||:|||: :
Db     121 LMSIEPDVIYAGHDNTKPDTSSSLLTSLNQLGERQLLSVVKWSKSLPGFRNLHIDDQITL 180

Qy     741 IQYSWMGLMVFAMGWRSFTNVNSRMLYFAPDLVFNEYRMHKSRMYSQCVRMRHLSQEFGW 800
           |||||| |||| :||||: :|: :||||||||: || || :|  || |: |  : |||
Db     181 IQYSWMSLMVFGLGWRSYKHVSGQMLYFAPDLILNEQRMKESSFYSLCLTMWQIPQEFVK 240

Qy     801 LQITPQEFLCMKALLLFSIIPVDGLKNQKFFDELRMNYIKELDRIIACKRKNPTSCSRRF 860
           ||:: :|||||| ||| : ||::||::|  |:|:| :||:|| : |  ::|   | |:||
Db     241 LQVSQEEFLCMKVLLLLNTIPLEGLRSQSQFEEMRSSYIRELIKAIGLRQKGVVSSSQRF 300

Qy     861 YQLTKLLDSVQPIARELHQFTFDLLIKSHMVSVDFPEMMAEIISVQVPKILSGKVKPIYF 920
           |||||||||::  : ::||  :  :  |:|  :||:|||||:|:|: |:||||:| |||: |
Db     301 YQLTKLLDNLHDLVKQLHLYCLNTFIQSRALSVEFPEMMSEVIAAQLPKILAGMVKPLLF 360

Qy     921 H 921
           |
Db     361 H 361
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RESULT 7
US-08-764-870-15
; Sequence 15, Application US/08764870
; Patent No. 6236946
; GENERAL INFORMATION:
; APPLICANT: Scanlan, Thomas S
; APPLICANT: Baxter, John D
; APPLICANT: Fletterick, Robert J
; APPLICANT: Wagner, Richard L
; APPLICANT: Kushner, Peter J
; APPLICANT: Apriletti, James W
; APPLICANT: West, Brian
; TITLE OF INVENTION: Nuclear Receptor Ligands and Ligand
; TITLE OF INVENTION: Binding Domains
; NUMBER OF SEQUENCES: 16
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Cooley Godward
; STREET: Five Palo Alto Square, 3000 El Camino Real
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94306
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/764,870
; FILING DATE: 13-DEC-1996
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/008,540
; FILING DATE: 13-DEC-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/008,543
; FILING DATE: 13-DEC-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/008,606
; FILING DATE: 14-DEC-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Nakamura, Jackie N
; REGISTRATION NUMBER: 35,966
; REFERENCE/DOCKET NUMBER: UCAL-246/01US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650)843-5000
; INFORMATION FOR SEQ ID NO: 15:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 984 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-764-870-15

Query Match 22.0%; Score 1078.5; DB 4; Length 984;
Best Local Similarity 32.8%; Pred. No. 2.6e-71;
Matches 300; Conservative 101; Mismatches 254; Indels 259; Gaps 30;

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Qy      98 SPQAHRRGPTGYL------VLDEEQQP-SQPQSALECHPERGCVPEP-----GAAVAASK 145
           || |  ||   :        |      | |  :|::  |    |  |         : :|
Db     238 SPNAENRGSRSHSPAHASNVGSPLSSPLSSMKSSISSPPSHCSVKSPVSSPNNVTLRSSV 297

Qy     146 GLPQQL-------PAPPDEDD-----SAAPSTL-SLLGP-------TFPGLSSCSADLKD 185
           |  :        :| : ::    | | ||: |:  |         |  | |: |: |:|
Db     298 SSPANINNSRCSVSSPSNTNNRSTLSSPAASTVGSICSPVNNAFSYTASGTSAGSSTLRD 357

Qy     186 ILSEASTMQLLQQQ----QQEAVSEGSSSGRA----------REASGAPTSSKDNYLGGT 231
           ::   | :  |:    : | |    |:|                |  || :||    |||
Db     358 VVPSPDTQEKGAQEVPFPKTEEVESAISNGVTGQLNIVQYIKPEPDGAFSSS---CLGGN 414
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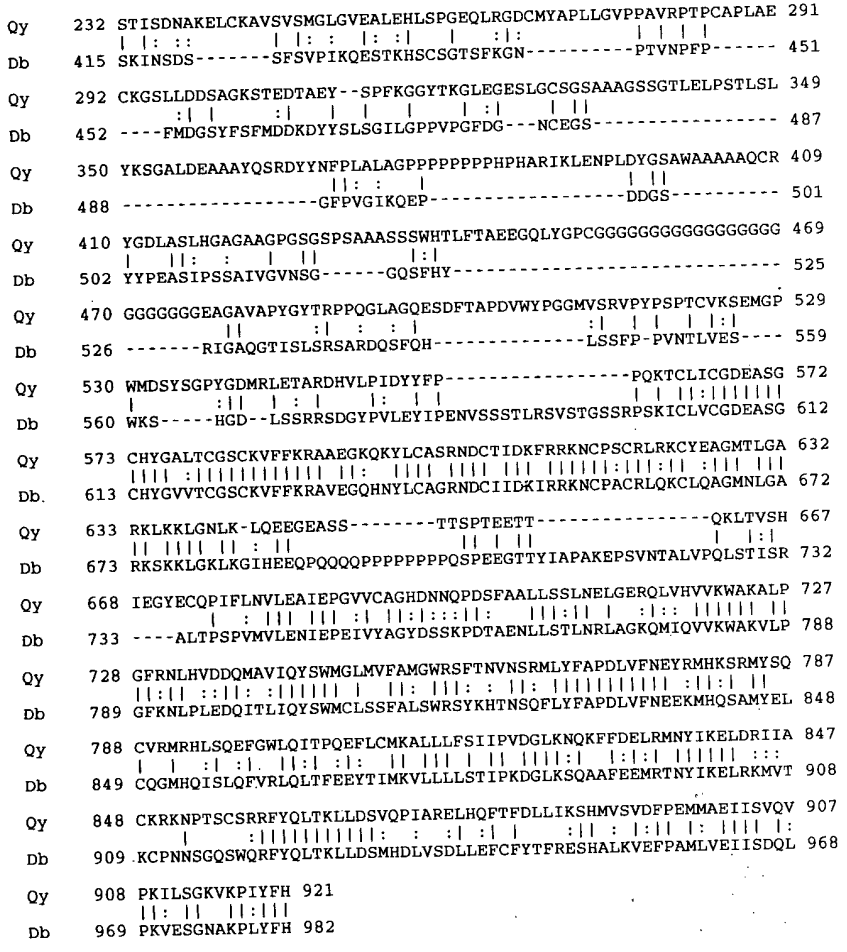
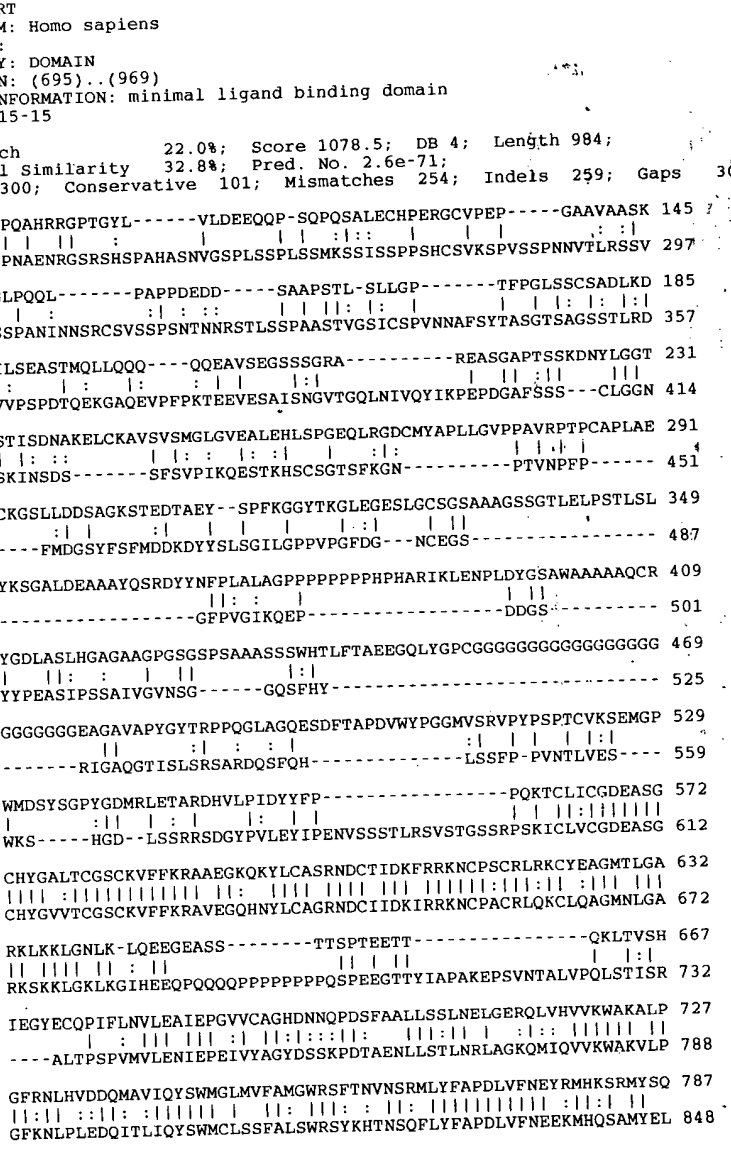


RESULT 8
US-08-980-115-15
; Sequence 15, Application US/08980115
; Patent No. 6266622
; GENERAL INFORMATION:
; APPLICANT: Scanlan, Thomas S.
; APPLICANT: Baxter, John D.
; APPLICANT: Fletterick, Robert J.
; APPLICANT: Wagner, Richard L.
; APPLICANT: Kushner, Peter J.
; APPLICANT: Apriletti, James W.
; APPLICANT: West, Brian L.
; APPLICANT: Shiau, Andrew K.
; TITLE OF INVENTION: NUCLEAR RECEPTOR LIGANDS AND LIGAND BINDING DOMAINS
; FILE REFERENCE: UCAL-246/02US
; CURRENT APPLICATION NUMBER: US/08/980,115
; CURRENT FILING DATE: 1997-11-26
; EARLIER APPLICATION NUMBER: 08/764,870
; EARLIER FILING DATE: 1996-12-13
; EARLIER APPLICATION NUMBER: 60/008,606
; EARLIER FILING DATE: 1995-12-14
; EARLIER APPLICATION NUMBER: 60/008,543
; EARLIER FILING DATE: 1995-12-13
; EARLIER APPLICATION NUMBER: 60/008,540
; EARLIER FILING DATE: 1995-12-13
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 15
; LENGTH: 984
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (695)..(969)
; OTHER INFORMATION: minimal ligand binding domain
US-08-980-115-15

Query Match 22.0%; Score 1078.5; DB 4; Length 984;
Best Local Similarity 32.8%; Pred. No. 2.6e-71;
Matches 300; Conservative 101; Mismatches 254; Indels 259; Gaps 30;



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Qy    788 CVRMRHLSQEFGWLQITPQEFLCMKALLLFSIIPVDGLKNQKFFDELRMNYIKELDRIIA 847
Db    849 CQGMHQISLQFVRLQLTFEEYTIMKVLLLLSTIPKDGLKSQAAFEEMRTNYIKELRKMVT 908

Qy    848 CKRKNPTSCSRRFYQLTKLLDSVQPIARELHQFTFDLLIKSHMVSVDFPEMMAEIISVQV 907
Db    909 KCPNNSGQSWQRFYQLTKLLDSMHDLVSDLLEFCFYTFRESHALKVEFPAMLVEIISDQL 968

Qy    908 PKILSGKVKPIYFH 921
Db    969 PKVESGNAKPLYFH 982


RESULT 9
US-09-091-042A-2
; Sequence 2, Application US/09091042A
; Patent No. 6455300
;   GENERAL INFORMATION:
;        APPLICANT: The Government of the United States of America
;                   as respresented by the Secretary
;                   Department of Health and Human Services
;                   Washington, D.C.
;                   Htun Ph.D., Han
;                   Hager Ph.D., Gordon L.
;        TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR MONITORING
;                            DNA BINDING MOLECULES IN LIVING CELLS
;        NUMBER OF SEQUENCES: 9
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: Needle & Rosenberg
;             STREET: 127 Peachtree Street, Suite 1200
;             CITY: Atlanta
;             STATE: Georgia
;             COUNTRY: USA
;             ZIP: 30303
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Floppy disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: PC-DOS/MS-DOS
;             SOFTWARE: PatentIn Release #1.0, Version #1.30
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/09/091,042A
;             FILING DATE: 08-Jun-1998
;             CLASSIFICATION: <Unknown>
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: 60/008,373
;             FILING DATE: 08 Dec 1995
;        ATTORNEY/AGENT INFORMATION:
;             NAME: Selby, Elizabeth
;             REGISTRATION NUMBER: 38298
;             REFERENCE/DOCKET NUMBER: 14014.0183
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: 404-688-0770
;             TELEFAX: 404-688-9880
;   INFORMATION FOR SEQ ID NO: 2:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 1070 amino acids
;             TYPE: amino acid
;             TOPOLOGY: linear
;        MOLECULE TYPE: protein
;        SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-09-091-042A-2

  Query Match           21.7%;  Score 1066;  DB 4;  Length 1070;
  Best Local Similarity  32.0%;  Pred. No. 2.5e-70;
  Matches  314;  Conservative  110;  Mismatches  268;  Indels  288;  Gaps  35;

Qy     20 RGAFQNLFQSVR---EVIQNPGPRHPEAASAAPPGASLLLL--------QQQQQQQQQQQ 68
Db    299 RGSVMDFYKSLRGGATVKVSASSPSVAAASQADSKQQRILLDFSKGSTSNVQQRQQQQQQ 358

Qy     69 QQQQQQQQQQQQQQETSP----------RQQQQQQGED-GSPQAHR----RGPTGYLVL 112
Db    359 QQQQQQQQQQQQQQPGLSKAVSLSMGLYMGETETKVMGNDLGYPQQGQLGLSSGETDFRLL 418


Qy    113 DE-----EQQPSQPQSALECHPERGCVPEPGAAVAASKGLPQQLPAPPDEDDSAAPSTLS 167
Db    419 EESIANLNRSTSVPENPKSSTSATGC----------------ATPTEKE-------- 451

Qy    168 LLGPTFPGLSSCSADLKDILSEASTMQLLQQQQQEAVSEGSSSGRAREASGAPTSSKDNY 227
Db    452 -----FPKTH----------SDASS-----EQQNRKSQTGTNGG----------SVKLY 480

Qy    228 LGGTSTISDNAKELCKAVSVSMGLGVEALEHLSPGEQLRGDCMYAPLLGVPPAVRPTPCA 287
Db    481 PTDQSTF-----DLLKDLEFSAG---------SPSKDTNESPWRSDLL-----IDENLLS 521

Qy    288 PLA----------ECKGSLLDDSAG--KSTEDTAEYSP----------FKGG 317
Db    522 PLAGEDDPFLLEGNTNEDCKPLILPDTKPKIKDTGDTILSSPSSVALPQVKTEKDDFIEL 581

Qy    318 YTKG-LEGESLG---CSGSAAAGSSGTLELPSTLS------LYKSGA------LDEAAAY 361
Db    582 CTPGVIKQEKLGPVYCQ----ASFSGTNIIGNKMSAISVHGVSTSGGQMYHYDMNTASLS 637

Qy    362 QSRDYYNFPLALAGPPPPPPPPHPHARIKLENPLDYGSAWAAAAAQCRYGDLASLHGAGA 421
Db    638 QQQD--QKPVFNVIPPIP---------VGSEN-------W----NRCQ------------ 663

Qy    422 AGPGSGSPSAAASSSWHTLFTAEEGQLYGPCGGGGGGGGGGGGGGGGGGGGGEAGAV 481
Db    664 ---GSGEDSLTSL-----------GALNFP-------------------------GRSV 683

Qy    482 APYGYTRPPQGLAGQESDFTAPDVWYPGGMVSRVPYPSPTCVKSEMGPWMDSYSGPYGDM 541
Db    684 FSNGYSSP-----GMRPDVSSP----------PS----------SSSAATG-- 709

Qy    542 RLETARDHVLPIDYYFPPQKTCLICGDEASGCHYGALTCGSCKVFFKRAAEGKQKYLCAS 601
Db    710 ---------------PPPKLCLVCSDEASGCHYGVLTCGSCKVFFKRAVEGQHNYLCAG 753

Qy    602 RNDCTIDKFRRKNCPSCRLRKCYEAGMTLGARKLKKLGNLKLQEEGEASSTTSPTEETTQ 661
Db    754 RNDCIIDKIRRKNCPACRYRKCLQAGMNLEARKTKK----KIKGIQQATAGVSQDTSENP 809

Qy    662 KLTVSHIEGYECQPIFLNVLEAIEPGVVCAGHDNNQPDSFAALLSSLNELGERQLVHVVK 721
Db    810 NKTIVPAALPQLTPTLVSLLEVIEPEVLYAGYDSSVPDSAWRIMTTLNMLGGRQVIAAVK 869

Qy    722 WAKALPGFRNLHVDDQMAVIQYSWMGLMVFAMGWRSFTNVNSRMLYFAPDLVFNEYRMHK 781
Db    870 WAKAILGLRNLHLDDQMTLLQYSWMFLMAFALGWRSYRQSSGNLLCFAPDLIINEQRMSL 929

Qy    782 SRMYSQCVRMRHLSQEFGWLQITPQEFLCMKALLLFSIIPVDGLKNQKFFDELRMNYIKE 841
Db    930 PGMYDQCKHMLFVSSELQRLQVSYEEYLCMKTLLLLSSVPKEGLKSQELFDEIRMTYIKE 989

Qy    842 LDRIIACKRKNPTSCSRRFYQLTKLLDSVQPIARELHQFTFDLLIKSHMVSVDFPEMMAE 901
Db    990 LGKAIVKREGNSSQNWQRFYQLTKLLDSMHEVVENLLTYCFQTFLDKTM-SIEFPEMLAE 1048

Qy    902 IISVQVPKILSGKVKPIYFH 921
Db   1049 IITNQIPKYSNGNIKKLLFH 1068


RESULT 10
US-07-716-827C-5
; Sequence 5, Application US/07716827C
; Patent No. 5215916
;  GENERAL INFORMATION:
;     APPLICANT:  Simons Jr., Stoney S.
;     APPLICANT:  Yamamoto, K. R.
;     APPLICANT:  Chakraborti, P. K.
;     APPLICANT:  Garabedian, M. J.
;     TITLE OF INVENTION:  SUPER GLUCOCORTICOID RECEPTORS
;     NUMBER OF SEQUENCES:  5
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;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Cushman, Darby & Cushman
;      STREET:  Eleventh floor, 1615 L Street, N.W.
;      CITY:  Washington
;      STATE:  D.C.
;      COUNTRY:  U.S.A.
;      ZIP:  20036-5601
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/716,827C
;      FILING DATE:  19910619
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Scott, Watson T.
;      REGISTRATION NUMBER:  26,581
;      REFERENCE/DOCKET NUMBER:  WTS/5683/84453
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (202)8613000
;      TELEFAX:  (202)822-8944
;      TELEX:  6714627 CUSH
;  INFORMATION FOR SEQ ID NO:  5:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  795 amino acids
;      TYPE:  AMINO ACID
;      TOPOLOGY:  linear
US-07-716-827C-5

  Query Match             21.7%;  Score 1065;  DB 1;  Length 795;
  Best Local Similarity   32.0%;  Pred. No. 1.9e-70;
  Matches  314;  Conservative  110;  Mismatches  268;  Indels  288;  Gaps   35;

Qy      20 RGAFQNLFQSVR---EVIQNPGPRHPEAASAAPPGASLLLL--------QQQQQQQQQQQ 68
           ||:  : ::|:|    |  :       ||| |      :||          ||:||||||
Db      24 RGSVMDFYKSLRGGATVKVSASSPSVAAASQADSKQQRILLDFSKGSTSNVQQRQQQQQQ 83

Qy      69 QQQQQQQQQQQQQQETSP----------RQQQQQQGED-GSPQAHR----RGPTGYLVL 112
           ||||||||||||||   |              : :  | | | ||  :     | | : :|
Db      84 QQQQQQQQQQQQQQPGLSKAVSLSMGLYMGETETKVMGNDLGYPQQGQLGLSSGETDFRLL 143

Qy     113 DE-----EQQPSQPQSALECHPERGCVPEPGAAVAASKGLPQQLPAPPDEDDSAAPSTLS 167
           :|      :  | |::          ||                    | | | :
Db     144 EESIANLNRSTSVPENPKSSTSATGC-----------------ATPTEKE-------- 176

Qy     168 LLGPTFPGLSSCSADLKDILSEASTMQLLQQQQQEAVSEGSSSGRAREASGAPTSSKDNY 227
             ||           |:||:     :||      |:: |           |   |
Db     177 -----FPKTH----------SDASS-----EQQNRKSQTGTNGG----------SVKLY 205

Qy     228 LGGTSTISDNAKELCKAVSVSMGLGVEALEHLSPGEQLRGDCMYAPLLGVPPAVRPTPCA 287
             ||      :| | :  | |         || :          : ||     :    :
Db     206 PTDQSTF-----DLLKDLEFSAG---------SPSKDTNESPWRSDLL-----IDENLLS 246

Qy     288 PLA--------------ECKGSLLDDSAG--KSTEDTAEYSP--------------FKGG 317
           |||              :||  :| |:    | | ||   ||                |
Db     247 PLAGEDDPFLLEGNTNEDCKPLILPDTKPKIKDTGDTILSSPSSVALPQVKTEKDDFIEL 306

Qy     318 YTKG-LEGESLG---CSGSAAAGSSGTLELPSTLS------LYKSGA------LDEAAAY 361
           | | :: | ||   |      |  |||  : : :|      :  ||          :: |:
Db     307 CTPGVIKQEKLGPVYCQ----ASFSGTNIIGNKMSAISVHGVSTSGGQMYHYDMNTASLS 362

Qy     362 QSRDYYNFPLALAGPPPPPPPPHPHARIKLENPLDYGSAWAAAAAQCRYGDLASLHGAGA 421
           | :|    |:    || |          :  ||        |     :|:
Db     363 QQQD--QKPVFNVIPPIP---------VGSEN-------W----NRCQ------------ 388

Qy     422 AGPGSGSPSAAASSSWHTLFTAEEGQLYGPCGGGGGGGGGGGGGGGGGGGGGGEAGAV 481
           |||  |  :           | |  |                                :|
Db     389 ---GSGEDSLTSL----------GALNFP-------------------------GRSV 408

Qy     482 APYGYTRPPQGLAGQESDFTAPDVWYPGGMVSRVPYPSPTCVKSEMGPWMDSYSGPYGDM 541
           ||: |     |   | ::|              ||              | |   |
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Db     409 FSNGYSSP-----GMRPDVSSP-------------PS-------------SSSAATG-- 434

Qy     542 RLETARDHVLPIDYYFPPQKTCLICGDEASGCHYGALTCGSCKVFFKRAAEGKQKYLCAS 601
                       || | ||:| |||||||||  ||||||||||||| ||:  ||||
Db     435 ----------------PPPKLCLVCSDEASGCHYGVLTCGSCKVFFKRAVEGQHNYLCAG 478

Qy     602 RNDCTIDKFRRKNCPSCRLRKCYEAGMTLGARKLKKLGNLKLQEEGEASSTTSPTEETTQ 661
           |||| ||| ||||||:|| ||| :||| | ||| ||    |::   :|::  |
Db     479 RNDCIIDKIRRKNCPACRYRKCLQAGMNLEARKTKK----KIKGIQQATAGVSQDTSENP 534

Qy     662 KLTVSHIEGYECQPIFLNVLEAIEPGVVCAGHDNNQPDSFAALLSSLNELGERQLVHVVK 721
             |:      :  |  :::|| ||| |: ||:|:: |||   ::::|| || ||::  ||
Db     535 NKTIVPAALPQLTPTLVSLLEVIEPEVLYAGYDSSVPDSAWRIMTTLNMLGGRQVIAAVK 594

Qy     722 WAKALPGFRNLHVDDQMAVIQYSWMGLMVFAMGWRSFTNVNSRMLYFAPDLVFNEYRMHK 781
           ||||: | ||||:|||| ::||||| || ||:||||:    :  :| |||||: || ||
Db     595 WAKAILGLRNLHLDDQMTLLQYSWMFLMAFALGWRSYRQSSGNLLCFAPDLIINEQRMSL 654

Qy     782 SRMYSQCVRMRHLSQEFGWLQITPQEFLCMKALLLFSIIPVDGLKNQKFFDELRMNYIKE 841
             || ||  |  :| |   ||:: :|:|||| ||| | :| :|||:|: |||:|| ||||
Db     655 PCMYDQCKHMLFVSSELQRLQVSYEEYLCMKTLLLLSSVPKEGLKSQELFDEIRMTYIKE 714

Qy     842 LDRIIACKRKNPTSCSRRFYQLTKLLDSVQPIARELHQFTFDLLIKSHMVSVDFPEMMAE 901
           | : |  :  | :   :|||||||||||:  :   |  : |   :   | |::||||:||
Db     715 LGKAIVKREGNSSQNWQRFYQLTKLLDSMHEVVENLLTYCFQTFLDKTM-SIEFPEMLAE 773

Qy     902 IISVQVPKILSGKVKPIYFH 921
           ||: |:||  :| :| : ||
Db     774 IITNQIPKYSNGNIKKLLFH 793


RESULT 11
US-08-764-870-13
; Sequence 13, Application US/08764870
; Patent No. 6236946
;  GENERAL INFORMATION:
;    APPLICANT:  Scanlan, Thomas S
;    APPLICANT:  Baxter, John D
;    APPLICANT:  Fletterick, Robert J
;    APPLICANT:  Wagner, Richard L
;    APPLICANT:  Kushner, Peter J
;    APPLICANT:  Apriletti, James W
;    APPLICANT:  West, Brian
;    TITLE OF INVENTION:  Nuclear Receptor Ligands and Ligand
;    TITLE OF INVENTION:  Binding Domains
;    NUMBER OF SEQUENCES:  16
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Cooley Godward
;      STREET:  Five Palo Alto Square,  3000 El Camino Real
;      CITY:  Palo Alto
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  94306
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/764,870
;      FILING DATE:  13-DEC-1996
;      CLASSIFICATION:  530
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 60/008,540
;      FILING DATE:  13-DEC-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 60/008,543
;      FILING DATE:  13-DEC-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 60/008,606
;      FILING DATE:  14-DEC-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Nakamura, Jackie N
```

```
;      REGISTRATION NUMBER:  35,966
;      REFERENCE/DOCKET NUMBER:  UCAL-246/01US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (650)843-5000
;  INFORMATION FOR SEQ ID NO:  13:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  777 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
US-08-764-870-13

  Query Match           21.2%;  Score 1042;  DB 4;  Length 777;
  Best Local Similarity  32.6%;  Pred. No. 9.4e-69;
  Matches  298;  Conservative   95;  Mismatches  255;  Indels  266;  Gaps   31;

Qy    121 PQSALECHPERGCVPE------PGAAVAASKGLPQQLPA---------------------- 153
Db     15 PSSVLA--QERGDVMDFYKTLRGGATVKVSASSPSLAVASQSDSKQRRLLVDFPKGSVSN 72

Qy    154 --PPDEDDSAAPSTLSLLGPT----------FP-----GLSSCSADLKDILSEASTMQLL 196
Db     73 AQQPDLSKAVSLSMGLYMGETETKVMGNDLGFPQQGQISLSSGETDLK--LLEESIANL- 129

Qy    197 QQQQQEAVSEGSSSGRAREASGAPT----------SSKDNYL-GGTSTISDNAK----- 239
Db    130 --NRSTSVPENPKSSASTAVSAAPTEKEFPKTHSDVSSEQQHLKGQTGTNGGNVKLYTTD 187

Qy    240 ----ELCKAVSVSMGLGVEALEHLSPGEQL-----RGD------CMYAPLLGVPPAVRPT 284
Db    188 QSTFDILQDLEFSSG---------SPGKETNESPWRSDLLIDENCLLSPLAGE------- 231

Qy    285 PCAPLAECKGSLLDDS---AGKSTEDTAEYSPFKGGYTKGLEGESLGCSGSAAAGSSGTL 341
Db    232 ------------DDSFLLEGNSNED--------------------CK---------PL 248

Qy    342 ELPSTLSLYKSGALDEAAAYQSRDYYNFPLALAGPPPPPPPPHPHARIKLENPLDYGSAW 401
Db    249 ILPDTKPKIKD--------------NGDLVLSSPSNVTLP-----QVKTEKEDFIELCT 288

Qy    402 AAAAAQCRYGDL---ASLHGAGAAGPGSGSPSAAASSSWHTLFTAEEGQLYGPCGGGGGG 458
Db    289 PGVIKQEKLGTVYCQASFPGANIIG------NKMSAISVHGVSTS-------------- 327

Qy    459 GGGGGGGGGGGGGGGGGGEAGAVAPYGYTRPPQGLAGQESDFTAPDV----------W-- 506
Db    328 ---------------GGQM-----YHYDMNTASLSQQQDQKPIFNVIPPIPVGSENWNR 366

Qy    507 ---------------YPGGMVSRVPYPSPTCVKSEMGPWMDSYSGPYGDMRLETARDHV 550
Db    367 CQGSGDDNLTSLGTLNFPGRTVFSNGYSSPS-----MRP--DVSSPPSSSSTATTG---- 415

Qy    551 LPIDYYFPPQKTCLICGDEASGCHYGALTCGSCKVFFKRAAEGKQKYLCASRNDCTIDKF 610
Db    416 -------PPPKLCLVCSDEASGCHYGVLTCGSCKVFFKRAVEGQHNYLCAGRNDCIIDKI 468

Qy    611 RRKNCPSCRLRKCYEAGMTLGARKLKKLGNLKLQEEGEASSTTSPTEETTQ---KLTVSH 667
Db    469 RRKNCPACRYRKCLQAGMNLEARKTKK------KIKGIQQATTGVSQETSENPGNKTIVP 522

Qy    668 IEGYECQPIFLNVLEAIEPGVVCAGHDNNQPDSFAALLSSLNELGERQLVHVVKWAKALP 727
Db    523 ATLPQLTPTLVSLLEVIEPEVLYAGYDSSVPDSTWRIMTTLNMLGGRQVIAAVKWAKAIP 582

Qy    728 GFRNLHVDDQMAVIQYSWMGLMVFAMGWRSFTNVNSRMLYFAPDLVFNEYRMHKSRMYSQ 787
Db    583 GFRNLHLDDQMTLLQYSWMFLMAFALGWRSYRQSSANLLCFAPDLIINEQRMTLPCMYDQ 642

Qy    788 CVRMRHLSQEFGWLQITPQEFLCMKALLLFSIIPVDGLKNQKFFDELRMNYIKELDRIIA 847
Db    643 CKHMLYVSSELHRLQVSYEEYLCMKTLLLLSSVPKDGLKSQELFDEIRMTYIKELGKAIV 702

Qy    848 CKRKNPTSCSRRFYQLTKLLDSVQPIARELHQFTFDLLIKSHMVSVDFPEMMAEIISVQV 907
Db    703 KREGNSSQNWQRFYQLTKLLDSMHEVVENLLNYCFQTFLDKTM-SIEFPEMLAEIITNQI 761

Qy    908 PKILSGKVKPIYFH 921
Db    762 PKYSNGNIKKLLFH 775


RESULT 12
US-08-980-115-13
; Sequence 13, Application US/08980115
; Patent No. 6266622
; GENERAL INFORMATION:
;  APPLICANT: Scanlan, Thomas S.
;  APPLICANT: Baxter, John D.
;  APPLICANT: Fletterick, Robert J.
;  APPLICANT: Wagner, Richard L.
;  APPLICANT: Kushner, Peter J.
;  APPLICANT: Apriletti, James W.
;  APPLICANT: West, Brian L.
;  APPLICANT: Shiau, Andrew K.
;  TITLE OF INVENTION: NUCLEAR RECEPTOR LIGANDS AND LIGAND BINDING DOMAINS
;  FILE REFERENCE: UCAL-246/02US
;  CURRENT APPLICATION NUMBER: US/08/980,115
;  CURRENT FILING DATE: 1997-11-26
;  EARLIER APPLICATION NUMBER: 08/764,870
;  EARLIER FILING DATE: 1996-12-13
;  EARLIER APPLICATION NUMBER: 60/008,606
;  EARLIER FILING DATE: 1995-12-14
;  EARLIER APPLICATION NUMBER: 60/008,543
;  EARLIER FILING DATE: 1995-12-13
;  EARLIER APPLICATION NUMBER: 60/008,540
;  EARLIER FILING DATE: 1995-12-13
;  NUMBER OF SEQ ID NOS: 17
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 13
;   LENGTH: 777
;   TYPE: PRT
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: DOMAIN
;   LOCATION: (506)..(762)
;   OTHER INFORMATION: minimal ligand binding domain
US-08-980-115-13

  Query Match           21.2%;  Score 1042;  DB 4;  Length 777;
  Best Local Similarity  32.6%;  Pred. No. 9.4e-69;
  Matches  298;  Conservative   95;  Mismatches  255;  Indels  266;  Gaps   31;

Qy    121 PQSALECHPERGCVPE------PGAAVAASKGLPQQLPA---------------------- 153
Db     15 PSSVLA--QERGDVMDFYKTLRGGATVKVSASSPSLAVASQSDSKQRRLLVDFPKGSVSN 72

Qy    154 --PPDEDDSAAPSTLSLLGPT----------FP-----GLSSCSADLKDILSEASTMQLL 196
Db     73 AQQPDLSKAVSLSMGLYMGETETKVMGNDLGFPQQGQISLSSGETDLK--LLEESIANL- 129

Qy    197 QQQQQEAVSEGSSSGRAREASGAPT----------SSKDNYL-GGTSTISDNAK----- 239
Db    130 --NRSTSVPENPKSSASTAVSAAPTEKEFPKTHSDVSSEQQHLKGQTGTNGGNVKLYTTD 187

Qy    240 ----ELCKAVSVSMGLGVEALEHLSPGEQL-----RGD------CMYAPLLGVPPAVRPT 284
Db    188 QSTFDILQDLEFSSG---------SPGKETNESPWRSDLLIDENCLLSPLAGE------- 231

Qy    285 PCAPLAECKGSLLDDS---AGKSTEDTAEYSPFKGGYTKGLEGESLGCSGSAAAGSSGTL 341
Db    232 ------------DDSFLLEGNSNED--------------------CK---------PL 248

Qy    342 ELPSTLSLYKSGALDEAAAYQSRDYYNFPLALAGPPPPPPPPHPHARIKLENPLDYGSAW 401
Db    249 ILPDTKPKIKD--------------NGDLVLSSPSNVTLP-----QVKTEKEDFIELCT 288
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Qy    402 AAAAAQCRYGDL---ASLHGAGAAGPGSGSPSAAASSSWHTLFTAEEGQLYGPCGGGGGG 458
          | : | :   ||  ||   |      :  :: | | : |:
Db    289 PGVIKQEKLGTVYCQASFPGANIIG------NKMSAISVHGVSTS--------------- 327

Qy    459 GGGGGGGGGGGGGGGGGGEAGAVAPYGYTRPPQGLAGQESDFTAPDV----------W-- 506
                  ||:       | |       |: |:       :|           |
Db    328 ---------------GGQM-----YHYDMNTASLSQQQDQKPIFNVIPPIPVGSENWNR 366

Qy    507 ---------------YPGGMVSRVPYPSPTCVKSEMGPWMDSYSGPYGDMRLETARDHV 550
                        :||  |    | ||:     | |  |  | |       |
Db    367 CQGSGDDNLTSLGTLNFPGRTVFSNGYSSPS-----MRP--DVSSPPSSSSTATTG---- 415

Qy    551 LPIDYYFPPQKTCLICGDEASGCHYGALTCGSCKVFFKRAAEGKQKYLCASRNDCTIDKF 610
                || | ||:| |||||||||| ||||||||||||| ||:  |||| |||| |||
Db    416 -------PPPKLCLVCSDEASGCHYGVLTCGSCKVFFKRAVEGQHNYLCAGRNDCIIDKI 468

Qy    611 RRKNCPSCRLRKCYEAGMTLGARKLKKLGNLKLQEEGEASSTTSPTEETTQ---KLTVSH 667
          ||||||:|| ||| :||| | ||| ||      : :|   :||  ::||::     |:
Db    469 RRKNCPACRYRKCLQAGMNLEARKTKK------KIKGIQQATTGVSQETSENPGNKTIVP 522

Qy    668 IEGYECQPIFLNVLEAIEPGVVCAGHDNNQPDSFAALLSSLNELGERQLVHVVKWAKALP 727
              :  | :::|| ||| |: ||:|:: |||   ::::|| || ||::  ||||||:|
Db    523 ATLPQLTPTLVSLLEVIEPEVLYAGYDSSVPDSTWRIMTTLNMLGGRQVIAAVKWAKAIP 582

Qy    728 GFRNLHVDDQMAVIQYSWMGLMVFAMGWRSFTNVNSRMLYFAPDLVFNEYRMHKSRMYSQ 787
          ||||||:|||| ::||||| || ||:|||||:   :: :| ||||| || ||    || |
Db    583 GFRNLHLDDQMTLLQYSWMFLMAFALGWRSYRQSSANLLCFAPDLIINEQRMTLPCMYDQ 642

Qy    788 CVRMRHLSQEFGWLQITPQEFLCMKALLLFSIIPVDGLKNQKFFDELRMNYIKELDRIIA 847
          |  | ::| |   ||:: :|:|||| ||| | :| ||||:|: |||:|| ||||| : |
Db    643 CKHMLYVSSELHRLQVSYEEYLCMKTLLLLSSVPKDGLKSQELFDEIRMTYIKELGKAIV 702

Qy    848 CKRKNPTSCSRRFYQLTKLLDSVQPIARELHQFTFDLLIKSHMVSVDFPEMMAEIISVQV 907
           :  | :   :||||||||||||:  :   |  : |   :   | |::||||:|||||: |:
Db    703 KREGNSSQNWQRFYQLTKLLDSMHEVVENLLNYCFQTFLDKTM-SIEFPEMLAEIITNQI 761

Qy    908 PKILSGKVKPIYFH 921
          ||  :| :| : ||
Db    762 PKYSNGNIKKLLFH 775
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RESULT 13
5223606-7
;Patent No. 5223606
; APPLICANT: BLAUDIN DE THE, HUGHES;MARCHIO, AGNES;TIOLLAIS,
;PIERRE;DEJEAN, ANNE
; TITLE OF INVENTION: STEROID/THYROID HORMONE RECEPTOR-RELATED
;PROTEIN INAPPROPRIATELY EXPRESSED IN HUMAN HEPATOCELLULAR CARCINOMA
; NUMBER OF SEQUENCES: 11
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/134,130
; FILING DATE: 17-DEC-1987
; PRIOR APPLICATION DATA:
;SEQ ID NO:7:
; LENGTH: 356
5223606-7

Query Match 19.5%; Score 959.5; DB 6; Length 356;
Best Local Similarity 52.1%; Pred. No. 4e-63;
Matches 189; Conservative 62; Mismatches 99; Indels 13; Gaps 6;

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Qy    563 CLICGDEASGCHYGALTCGSCKVFFKRAAEGKQKYLCASRNDCTIDKFRRKNCPSCRLRK 622
          ||:| |||||||| |||||||||||| ||:  |||| |||| ||||||:|| ||
Db      1 CLVCSDEASGCHYGVLTCGSCKVFFKRAVEGQHNYLCAGRNDCIIDKIRRKNCPACRYRK 60

Qy    623 CYEAGMTLGARKLKKLGNLKLQEEGEASSTTSPTEETTQ---KLTVSHIEGYECQPIFLN 679
          | :||| | ||| ||      : :|   :||  ::||::     |:      :  | ::
Db     61 CLQAGMNLEARKTKK------KIKGIQQATTGVSQETSENPGNKTIVPATLPQLTPTLVS 114

Qy    680 VLEAIEPGVVCAGHDNNQPDSFAALLSSLNELGERQLVHVVKWAKALPGFRNLHVDDQMA 739
          :|| ||| |: || |:: |||   ::::|| || ||::  |||||||:|||||:|||
Db    115 LLEVIEPEVLYAGTDSSVPDSTWRIMTTLNMLGGRQVIAAVKWAKAIPGFRNLHLDDQNT 174
```

```
Qy    740 VIQYSWMGLMVFAMGWRSFTNVNSRMLYFAPDLVFNEYRMHKSRMYSQCVRMRHLSQEFG 799
          ::||||| ||  |:|||||:   :: :| |||||: || ||    || ||  | ::| |
Db    175 LLQYSWMFLMA-ALGWRSYRQSSANLLCFAPDLIINEQRMTLPCMYDQCKHMLYVSSELH 233

Qy    800 WLQITPQEFLCMKALLLFSIIPVDGLKNQKFFDELRMNYIKELDRIIACKRKNPTSCS-R 858
            ||:: :|:|||| ||| | :| ||||:|: |||:|| ||||| : |  ||:  :| : :
Db    234 RLQVSYEEYLCMKYLLLLSSVPKDGLKSQELFDEIRMTYIKELGKAIV-KREGLSSQNWQ 292

Qy    859 RFYQLTKLLDSVQPIARELHQFTFDLLIKSHMVSVDFPEMMAEIISVQVPKILSGKVKPI 918
          ||||||||||:  :   |  : |   :   | |::||||:||||: |:||  :| :| : .
Db    293 RFYQLTKLLDSMHEVVENLLNYCFQTFLDKTM-SIEFPEMLAEIITNQIPKYSNGNIKKL 351

Qy    919 YFH 921
            ||
Db    352 LFH 354
```

RESULT 14
US-09-041-886-32
; Sequence 32, Application US/09041886
; Patent No. 6235872
; GENERAL INFORMATION:
; APPLICANT: Bredesen, Dale E.
; APPLICANT: Rabizadeh, Sharroz
; TITLE OF INVENTION: Proapoptotic Peptides, Dependence
; TITLE OF INVENTION: Polypeptides and Methods of Use
; NUMBER OF SEQUENCES: 72
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Campbell & Flores LLP
; STREET: 4370 La Jolla Village Drive, Suite 700
; CITY: San Diego
; STATE: California
; COUNTRY: United States
; ZIP: 92122
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/041,886
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Campbell, Cathryn A.
; REGISTRATION NUMBER: 31,815
; REFERENCE/DOCKET NUMBER: P-LJ 2626
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 535-9001
; TELEFAX: (619) 535-8949
; INFORMATION FOR SEQ ID NO: 32:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 154 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-09-041-886-32

Query Match 16.2%; Score 795; DB 4; Length 154;
Best Local Similarity 95.1%; Pred. No. 1.8e-51;
Matches 154; Conservative 0; Mismatches 0; Indels 8; Gaps 1;

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Qy      1 MEVQLGLGRVYPRPPSKTYRGAFQNLFQSVREVIQNPGPRHPEAASAAPPGASLLLLQQQ 60
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      1 MEVQLGLGRVYPRPPSKTYRGAFQNLFQSVREVIQNPGPRHPEAASAAPPGASLLLL--- 57

Qy     61 QQQQQQQQQQQQQQQQQQQQQQETSPRQQQQQQGEDGSPQAHRRGPTGYLVLDEEQQPSQ 120
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     58 -----QQQQQQQQQQQQQQQQETSPRQQQQQQGEDGSPQAHRRGPTGYLVLDEEQQPSQ 112

Qy    121 PQSALECHPERGCVPEPGAAVAASKGLPQQLPAPPDEDDSAA 162
          |||||||||||||||||||||||||||||||||||||||||||
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Db    113 PQSALECHPERGCVPEPGAAVAASKGLPQQLPAPPDEDDSAA 154

RESULT 15
US-08-875-223-8
; Sequence 8, Application US/08875223
; Patent No. 6127175
;  GENERAL INFORMATION:
;    APPLICANT:  VIGNE, Emmanuelle
;    APPLICANT:  PERRICAUDET, Michel
;    APPLICANT:  DEDIEU, Jean-Francois
;    APPLICANT:  ORSINI, Cecile
;    APPLICANT:  YEH, Patrice
;    APPLICANT:  LATTA, Martine
;    APPLICANT:  PROST, Edouard
;    TITLE OF INVENTION:  CELLS FOR THE PRODUCTION OF RECOMBINANT
;    TITLE OF INVENTION:  ADENOVIRUSES
;    NUMBER OF SEQUENCES:  8
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Rhone-Poulenc Rorer Inc.
;      STREET:  500 Arcola Road, Mailstop 3C43
;      CITY:  Collegeville
;      STATE:  PA
;      COUNTRY:  USA
;      ZIP:  19426
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/875,223
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  FR 95/00747
;      FILING DATE:  20-JAN-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  FR 95/06532
;      FILING DATE:  01-JUN-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  FR 95/10541
;      FILING DATE:  08-SEP-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  FR WO FR96/00088
;      FILING DATE:  19-JAN-1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Fehlner Esq., Paul F.
;      REGISTRATION NUMBER:  35,135
;      REFERENCE/DOCKET NUMBER:  ST95005G1-US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (610) 454-3839
;      TELEFAX:  (610) 454-3808
;  INFORMATION FOR SEQ ID NO:  8:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  534 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
US-08-875-223-8

  Query Match          13.1%;  Score 644.5;  DB 3;  Length 534;
  Best Local Similarity  51.3%;  Pred. No. 1.3e-39;
  Matches  122;  Conservative   46;  Mismatches   69;  Indels    1;  Gaps    1;

Qy    684 IEPGVVCAGHDNNQPDSFAALLSSLNELGERQLVHVVKWAKALPGFRNLHVDDQMAVIQY 743
          ||| |: ||:|:: |||   ::::|| || ||::  |||||||:||||||:|||| ::||
Db      3 IEPEVLYAGYDSSVPDSTWRIMTTLNMLGGRQVIAAVKWAKAIPGFRNLHLDDQMTLLQY  62

Qy    744 SWMGLMVFAMGWRSFTNVNSRMLYFAPDLVFNEYRMHKSRMYSQCVRMRHLSQEFGWLQI 803
          ||| || ||:||||:   :: :| |||||: || ||    || ||  | ::| |   ||:
Db     63 SWMFLMAFALGWRSYRQSSANLLCFAPDLIINEQRMTLPCMYDQCKHMLYVSSELHRLQV 122

Qy    804 TPQEFLCMKALLLFSIIPVDGLKNQKFFDELRMNYIKELDRIIACKRKNPTSCSRRFYQL 863
          : :|:|||| ||| | :| ||||:|: |||:|| ||||| : |  :  | :   :||||
Db    123 SYEEYLCMKTLLLLSSVPKDGLKSQELFDEIRMTYIKELGKAIVKREGNSSQNWQRFYQL 182

Qy    864 TKLLDSVQPIARELHQFTFDLLIKSHMVSVDFPEMMAEIISVQVPKILSGKVKPIYFH 921
          ||||||:  :   |  : |   :   | |::||||:||||: |:||  :| :| : ||
Db    183 TKLLDSMHEVVENLLNYCFQTFLDKTM-SIEFPEMLAEIITNQIPKYSNGNIKKLLFH 239

Search completed: April 28, 2003, 13:52:56
Job time : 28 secs
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